



U.S. Patent Application No. 09/586,457
Attorney's Docket No. 99-430

MARKED-UP VERSION OF AMENDMENT SHOWING CHANGES MADE

Claims 1, 6, 14, 25 and 29-31 have been canceled.

Claim 2, 5, 7-8, 10, 12-13, 15-16, 18, 20-21 and 26-28 have been amended as follows:

2. (Amended) [The data structure of claim 1, further comprising:] A data structure encoded on a computer readable medium, comprising:

first data indicating an identity of a subscriber of a tracking service;

second data indicating one or more subscriber selected and defined alarm conditions, said alarm conditions indicating conditions under which one or more alarm events associated with a device occur, the one or more alarm events corresponding to at least one of an environment, movement, and operation of the device;

third data indicating one or more methods of contacting said subscriber in the event said one or more alarm events occur; and

fourth data indicating a permissible geographic area associated with said device.

5. (Amended) A system for notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:

means for receiving subscriber identity data identifying a subscriber of said service;

means for receiving one or more subscriber selected and defined alarm conditions;

means for receiving data associated with at least one of an environment, movement, and operation of a first communication device;

means for comparing said data with said alarm conditions to determine an occurrence of one or more alarm events; and

means for communicating an alarm event notification to the subscriber at a second communication device based on said comparison,

wherein said one or more subscriber defined alarm conditions includes one or more geographic boundaries associated with a location of said first communication device.

7. (Amended) The method of claim [6] 10, wherein said data comprises at least one of acceleration, oxygen level, temperature, pulse rate, and blood oxygen level data.

8. (Amended) The method of claim [6] 10, further comprising:
receiving sensor data from sensors associated with said first communication device.

10. (Amended) [The method of claim 6,] A method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:
receiving subscriber identity data identifying a subscriber of said service;
receiving one or more subscriber selected and defined alarm conditions;

receiving data associated with at least one of an environment, movement, and operation of a first communication device;

comparing said data with said alarm conditions to determine an occurrence of one or more alarm events; and

communicating an alarm event notification to the subscriber at a second communication device based on said comparison,

wherein said one or more subscriber defined alarm conditions includes one or more geographic boundaries associated with a location of said first communication device.

12. (Amended) A tracking server, comprising:

a memory configured to store instructions; and

a processor configured to:

receive subscriber identity data identifying a subscriber of said service;

receive one or more subscriber selected and defined alarm conditions;

receive data associated with at least one of an environment, movement and operation of a first communication device;

compare said data with said alarm conditions to determine an occurrence of one or more alarm events; and

communicate an alarm event notification to a second communication device based on said comparison,

wherein said one or more subscriber defined alarm conditions includes one or more geographic boundaries associated with a location of said first communication device.

13. (Amended) A computer-readable medium containing instructions for controlling at least one processor to perform a method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:

receiving subscriber identity data identifying a subscriber of said service;
receiving one or more subscriber selected and defined alarm conditions;
receiving data associated with at least one of an environment, movement and operation of a first communication device;
comparing said data with said alarm conditions to determine an occurrence of one or more alarm events; and
communicating an alarm event notification to the subscriber at a second communication device based on said comparison,

wherein said one or more subscriber defined alarm conditions includes one or more geographic boundaries associated with a location of said first communication device.

15. (Amended) The method of claim [14] 18, wherein said data is associated with at least one of an acceleration, an oxygen level, a temperature, a pulse rate, and a blood oxygen level.

16. (Amended) The method of claim [14] 18, further comprising:
receiving sensor data from sensors associated with said first communication device.

18. (Amended) [The method of claim 14,] A method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:
receiving data associated with at least one of an environment, movement and operation of a first communication device;
comparing said data with subscriber-selected and defined alarm conditions; and
communicating an alarm event notification to a second communication device based on said comparison, wherein said second communication device is selected from a plurality of subscriber-designated communication devices,
wherein said subscriber-selected alarm conditions include one or more geographic boundaries associated with a location of said first communication device.

20. (Amended) A computer-readable medium containing instructions for controlling at least one processor to perform a method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:
receiving data associated with at least one of an environment, movement and operation of a first communication device;
comparing said data with subscriber-selected and defined alarm conditions; and

communicating an alarm event notification to a second communication device based on said comparison, wherein said second communication device is selected from a plurality of subscriber-designated communication devices,

wherein said subscriber-selected alarm conditions include one or more geographic boundaries associated with a location of said first communication device.

21. (Amended) A first communication device, comprising:
 - a memory configured to store executable instructions; and
 - at least one processor configured to:
 - receive data associated with at least one of an environment, movement and operation of a second communication device;
 - compare said data with subscriber-selected and defined alarm conditions; and
 - communicate an alarm event notification to a third communication device based on said comparison, wherein said third communication device is selected from a plurality of subscriber-designated communication devices,

wherein said subscriber-selected alarm conditions include one or more geographic boundaries associated with a location of said first communication device.

26. (Amended) The graphical user interface of claim [25] 27, further comprising:

a [third] fourth activation area on the graphical display for activating creation of a [third] fourth data entry group, a [third] fourth graphical area associated with said [third] fourth data entry group requesting parameters for each user selected alarm condition, said parameters specifying limits on said alarm conditions, said [third] fourth data entry group accepting user entry of said parameters upon activation.

27. (Amended) [The graphical user interface of claim 25, further comprising:] A graphical user interface for subscribing to a tracking and notification service, the graphical user interface manipulating data entry groups that perform actions on a database, comprising:

a first activation area on the graphical user interface for activating creation of a first data entry group, a first graphical area associated with said first data entry group requesting identifier information of a subscriber of said tracking and notification service, said first data entry group accepting user entry of said subscriber identifier information upon activation;

a second activation area on the graphical display activating creation of a second data entry group, a second graphical area associated with said second data entry group displaying a plurality of alarm conditions associated with a device, said second data entry group accepting user selection of one or more of said plurality of alarm conditions upon activation; and

a third activation area on the graphical display for activating creation of a third data entry group, a third graphical area associated with said third data entry group requesting data indicating one or more permissible geographic areas, said permissible geographic areas specifying

boundaries on a location of said device, said third data entry group accepting user entry of said one or more permissible geographic areas upon activation.

28. (Amended) The graphical user interface of claim [25] 27, further comprising:
a [third] fourth activation area on the graphical display for activating creation of a [third]
fourth data entry group, a [third] fourth graphical area associated with said [third] fourth data entry group requesting data indicating one or more methods of contacting said subscriber; said [third] fourth data entry group accepting user entry of said one or more contact methods upon activation.